EXPRESS MAIL NO. EV133102756US Yumin Liu. Applicant: Filed: Concurrently Herewith

SYMYX/8 Div. 1 Cont. 1 Docket No.:

Application No.: Not Yet Assigned

For: Ni CATALYSTS AND METHODS FOR ALKANE DEHYDROGENATION

Agent: Denise Bergin - Reg. No. 50,581

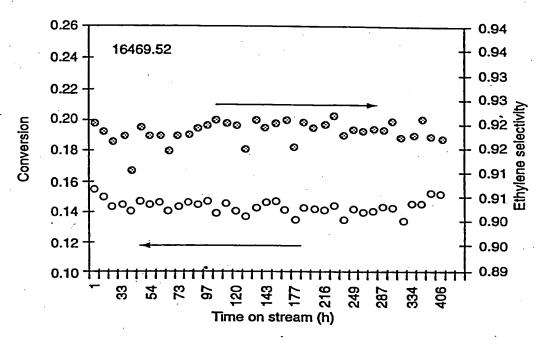


Figure 2A: Ethane conversion and ethylene selectivity over 400 hours for Ni_{0.75}Ta_{0.28}Sn_{0.03}O_X over at 275°C

EXPRESS MAIL NO. EV133102756US Filed: Concurrently Herewith

Applicant: Yumin Liu. EXPRESS MAIL NO. EV133102756
Docket No.: SYMYX/8 Div. 1 Cont. 1
Application No.: Not Yet Assigned
For: Ni CATALYSTS AND METHODS FOR ALKANE DEHYDROGENATION

Agent: Denise Bergin - Reg. No. 50,581

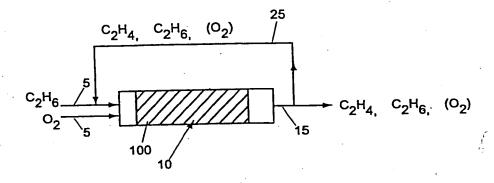


Fig. 1A

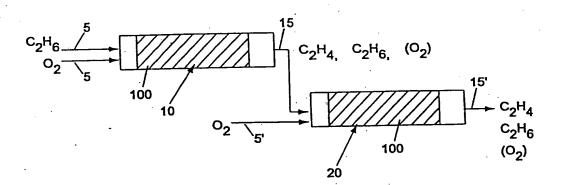


Fig. 1B

Applicant: Yumin Liu. EXPRESS MAIL NO. EV133102756US Docket No.: SYMYX/8 Div. 1 Cont. 1 Filed: Concurrently Herewith

Docket No.: SYMYX/8 Div. 1 (
Application No.: Not Yet Assigned

For: Ni CATALYSTS AND METHODS FOR ALKANE DEHYDROGENATION

Agent: Denise Bergin - Reg. No. 50,581

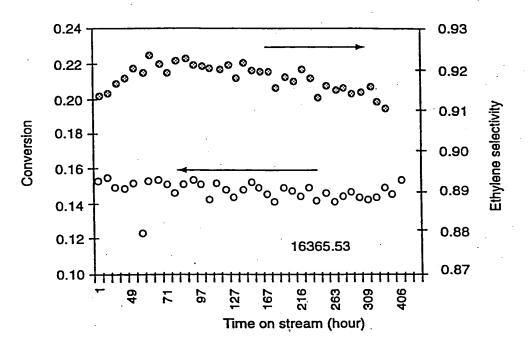


Figure 2B: Ethane conversion and ethylene selectivity over 400 hours for Ni_{0.71}Nb_{0.27}Co_{0.02}O_{$_X$} over at 275°C